

Air Management Study Group Quarterly Meeting

Madison
February 23, 2017

Staffing and Recruitment

Gail Good
Air Program Director

DNR Guidance

Kristin Hart

Permits & Stationary Source Modeling Section Chief

Proposed DNR Guidance

DNR Guidance in Drafting Phase	Description	Target Date
1-hr NO ₂ NAAQS Implementation	New guidance on methods for evaluating NO _x emissions against the 1-hr NO ₂ standards in permit reviews	June 2017
Air Dispersion Modeling Guidance	Updates to Dispersion Modeling Guidance to incorporate changes from Appendix W	June 2017
DNR Guidance available for Comment	Date Posted	Comments Due
None		
Finalized DNR Guidance	Location	Final Date
Guidance on Background Concentrations (updated for 1-hr SO ₂ and NO ₂)	http://dnr.wi.gov/topic/AirPermits/Modeling.html	12/19/2016

DNR Comments on Proposed Federal Rules

Kristin Hart

Permits & Stationary Source Modeling Section Chief

David Bizot

Regional Pollutant & Mobile Sources Section Chief

Katie Praedel

Monitoring Section Chief

EPA Proposed Rules

Recently submitted comments

Proposed EPA rule	Docket	Comment date
<u>Revisions to the Prevention of Significant Deterioration (PSD) and Title V Greenhouse Gas (GHG) Permitting Regulations and Establishment of a Significant Emissions Rate (SER) for GHG Emissions Under the PSD Program</u>	<u>EPA-HQ-OAR-2015-0355</u>	Dec 16, 2016
<u>Proposed Revisions to 105 Grant Allocation Methodology</u>	Proposed revisions comments submitted to EPA Office of Air and Radiation (no docket)	Dec 23, 2016
<u>Implementation of the 2015 National Ambient Air Quality Standards for Ozone: Nonattainment Area Classifications and State Implementation Plan Requirements</u>	<u>EPA-HQ-OAR-2016-0202</u>	Feb 13, 2017

EPA Proposed Rules

Currently reviewing

Proposed EPA rule	Docket	Comment date
<u>Federal Plan Requirements for Commercial and Industrial Solid Waste Incineration Units</u>	<u>EPA-HQ-OAR-2016-0664</u>	Feb 27, 2017
<u>National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semi-chemical Pulp Mills</u>	<u>EPA-HQ-OAR-2014-0741</u>	Feb 28, 2017
<u>National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works</u>	<u>EPA-HQ-OAR-2016-0490</u>	Mar 29, 2017
<u>Preliminary Interstate Ozone Transport Modeling Data for the 2015 Ozone National Ambient Air Quality Standard</u>	<u>EPA-HQ-OAR-2016-0751</u>	Apr 6, 2017

EPA Final Rules

Final EPA rule	Docket	Effective Date
<u>Revision to the Near Road NO₂ Minimum Monitoring Requirements</u>	<u>EPA-HQ-OAR-2015-0486</u>	Dec 30, 2016

1-Hour SO₂ Standard Implementation

David Bizot

Regional Pollutant & Mobile Sources Section Chief

E-Documents Update / Digitization Plan

Andy Stewart

Field Operations Director

Sheri Stach

Business Support and IT Section Chief

Ozone Updates

Katie Praedel

Air Monitoring Section Chief

David Bizot

Regional Pollutant & Mobile Sources Section Chief

Gail Good

Air Program Director

Ozone Season Monitoring Startup

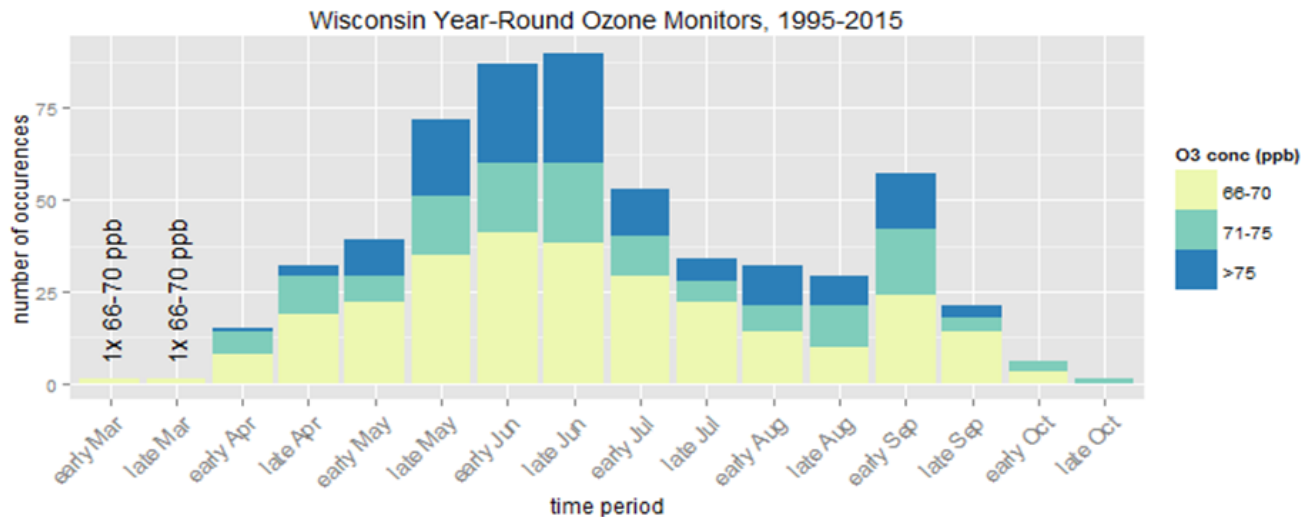
Ozone Length of Season Change

- March 1, 2017 – October 15, 2017
- Previously April 15– October 15
 - Season end date remains the same with the exception of Kenosha County
- Additional 6 weeks to the season this year

Ozone Season Monitoring Startup

Ozone Season 2016

- Started ozone operations on March 1, 2016
- Lessons Learned
 - Workload increase for field, engineering and quality assurance teams
 - Historic and 2016 data does not support lengthened season



Ozone Update – Monitoring Data

2016 data certification

- Submitted to EPA on February 10, 2017
- 2016 data is no longer “preliminary/not QA’d and subject to change”

2016 Ozone Summary - **Certified Data**

Updated February 21, 2017 - only high sites

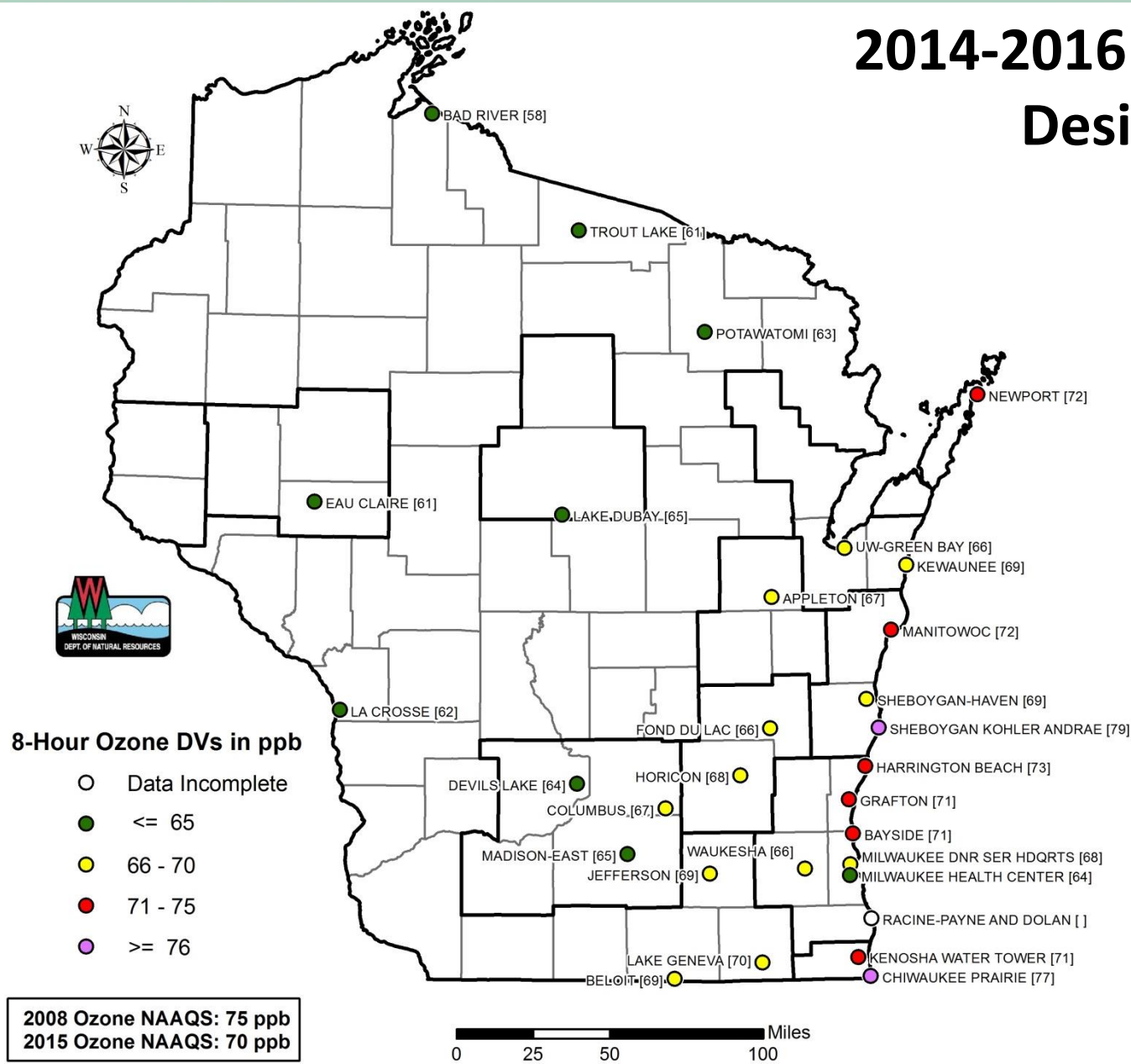
Site Name	County	Site Id	4 th High 8-Hour Ozone (ppb)			Design Values (ppb)	2017 Critical Values	
			2014	2015	2016	'14 - '16	2008 Std (75 ppb)	2015 Std (70 ppb)
NEWPORT STATE PARK	Door	550290004	65	74	77	72	77	62
CHIWAUKEE PRAIRIE	Kenosha	550590019	76	75	80	77	73	58
KENOSHA - WATER TOWER	Kenosha	550590025	70	68	76	71	84	69
KEWAUNEE	Kewaunee	550610002	65	70	72	69	86	71
MANITOWOC	Manitowoc	550710007	66	77	74	72	77	62
MILWAUKEE SER	Milwaukee	550790026	68	66	70	68	92	77
BAYSIDE	Milwaukee	550790085	69	68	77	71	83	68
GRAFTON	Ozaukee	550890008	74	70	71	71	87	72
HARRINGTON BEACH	Ozaukee	550890009	70	71	79	73	78	63
RACINE - PAYNE AND DOLAN	Racine	551010020		68	76		84	69
BELOIT - CONVERSE	Rock	551050030	72	64	72	69	92	77
SHEBOYGAN KOHLER ANDRAE	Sheboygan	551170006	72	81	85	79	62	47
SHEBOYGAN - HAVEN	Sheboygan	551170009	68	67	74	69	87	72
LAKE GENEVA	Walworth	551270005	73	67	72	70	89	74

2016 values have been certified by the state and EPA has concurred with our certification.

Exceeded the 2008 Standard

Exceeded the 2015 Standard

2014-2016 Certified Ozone Design Values



Kenosha and Sheboygan Attainment Planning

- “Moderate” area attainment plans for Sheboygan and Kenosha (partial) counties.
 - To show how areas will meet NAAQS by the moderate attainment date of July 20, 2018 (in practice, by end of 2017 ozone season)
- Draft Kenosha plan is out for public review until March 16.
 - Draft concludes the state will not need to implement any new regulatory measures or programs, and certifies the state has met all other Clean Air Act-required planning elements.
 - Public hearing: March 15, 10:30 am, Kenosha Public Library
 - Public hearing info & materials: <http://dnr.wi.gov/Calendar/Hearings/>
- Sheboygan plan remains under development and will follow on separate timeline.



AMSG Workgroup on 2015 Ozone Standard Implementation: Goals and Direction

1. Understand the criteria used by EPA when working through a designations process.
2. Review data and information relevant to the 2015 ozone NAAQS.
3. Explore boundary setting options for the 2015 ozone standard, for consideration by WDNR and the governor, should EPA decide to designate nonattainment areas in the state.
4. Understand concerns with potential boundary alternatives.



Workgroup Schedule

Milestone	Date
AMSG Workgroup Meeting #1	January 30, 2017
AMSG Workgroup Meeting #2	February 16, 2017
Regular AMSG Meeting	February 23, 2017
AMSG Workgroup Meeting #3	March 10, 2017
EPA notifies states of any intended modifications to state recommendations ("120-day letters")	<i>No later than June 2, 2017</i>
Regular AMSG Meeting	June 8, 2017
EPA publishes public notice of states and tribal recommendations and EPA's intended modifications, if any, and initiates a 30-day comment period	<i>On or about June 9, 2017</i>
End of 30-day comment period	<i>On or about July 10, 2017</i>
States and tribes submit additional information, if any, to respond to the EPA's modification of a recommended designation	<i>No later than August 7, 2017</i>
Regular AMSG Meeting	August 24, 2017
EPA promulgates final ozone area designations	<i>No later than October 1, 2017</i>

Permit Alignment and Streamlining Update

Kristin Hart

Permits & Stationary Source Modeling Section Chief



Air Program Alignment Projects

1. Dairy Digester General Permit

Draft a General Permit covering digesters and digester gas fired generators and other fuel burning equipment associated with digesters

Promote consistency, Streamlined permit application process, Provide assistance in complying with Federal engine standards

2. Air Permit Streamlining Rule Phase II

Continue work on revising the air permit regulations in chs. NR 406 and 407 to streamlining permit processes while remaining consistent with Clean Air Act

3. IT improvement – Digitization phase 2 and Air Permits

Utilize data available through digitization to develop better air permit application and permit writing tools



Dairy Digester General Permit

- **General Permits**
 - A General Permit may be written to cover a specific industry or business sector that have emission points that are similar
 - dairy digesters, digester gas fired generators, and other fuel burning equipment associated with the dairy digester
 - General Permits contain all air pollution requirements that the business sector is subject to
 - A General Permit is drafted with a preliminary determination document, undergoes public comment and is issued
 - After issuance, qualified facilities use standardized application to apply for coverage.
 - Coverage requests are reviewed and acted on within 15 days.



Dairy Digester General Permit

- **Schedule**

- June 2016 – March 2017 - Survey of stakeholders, permit development, internal review
- March 2017 – April 2017 - External stakeholder review
- May 2017 - Public comment
- July 2017 – Finalize and roll out dairy digester general permit



Air Permit Streamlining Rule Phase II

- Stakeholder meeting 01/26/2017
 - Fulfill statutory requirement to define “cause or exacerbate”
 - Examine and clarify, if necessary, definitions of “reconstruction” and “shutdown”
 - Consider an administrative revision process for construction permits
 - Consider “like-kind replacement” exemption from minor source construction permits
 - Re-examine exclusion from commence construction
 - Additional clean up and streamlining of procedures



Air Permit Streamlining Rule Phase II

- Next Steps:
 - DNR provides list of proposed revisions
 - Stakeholders review list of proposed revisions and provide feedback
 - DNR staff begin to draft rule language and rule checklists
 - Stakeholders to meet again in April and July to review proposed rule language and provide additional feedback
 - Additional stakeholder meetings as necessary
 - Aiming to finish rule language drafting phase by the end of summer or early fall 2017



Digitization and Permits

- Permit initiatives that build off of digitization:
 - Standard conditions library
 - Searchable library of permit conditions
 - Provides consistency and predictability
 - Streamlines permit writing process
 - Enhanced on-line permit applications
 - Easy interface for permit applicants
 - Display potential permit requirements and permit language based on emission unit parameters loaded into a permit application